

# Cemseal EC

Liquid Applied Seamless Waterproofing Coating

**cemseal**<sup>®</sup>  
Your Construction Chemical Partner

## The Product

Cemseal EC waterproofing system is a specially formulated three components liquid applied seamless elastomeric exposed waterproofing system. That incorporate a composite system of rubberized base coating and traffic bearing color top coat.

The base coat is a greyish black pasty, one component water based acrylic latex extended with bitumen emulsion. When it applied and cured to form a black elastic, seamless and joint free waterproofing coating.

The top coat consisted of elastomeric acrylic polymer blended with specially graded materials and quartz aggregate to a ready to apply. It bonded very well to the base coat layer.

Cemseal EC System has excellent crack bridging property.

Cemseal EC System fills and seals pores and voids for total protection against dampness and moisture penetration. It seals above grade on any masonry wall internally or externally against water and dampness. Protection against water damage, erosion, frost, spalling and weathering. Stop leaks on all kinds of cement based substrates.

## Uses

- ◆ R.C. gutter & flat roof
- ◆ R.C. canopies
- ◆ R.C. planter box
- ◆ New or old masonry and concrete
- ◆ Terraces, balconies and services yards.
- ◆ External decks, landscaped area.

## Advantages

- ◆ UV and Weather Resistance.
- ◆ Easy application, by brush or trowel or roller
- ◆ Flexible and elastic property
- ◆ Excellent adhesion to all sound and prepared substrates such as concrete, mortar brickwork.
- ◆ Water based & environmental friendly
- ◆ Fully bonded to substrate, water cannot flow underneath to the membrane.
- ◆ Applied on damp substrate - walls and floors
- ◆ No mixing required & Fast drying time.
- ◆ Very economical
- ◆ Available in various color

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## Technical & Physical Data

Cemseal EC	<b>Base Coat</b>	<b>Top Coat</b>
Colour	Black liquid	Grey, Red, Green, Blue liquid
Resin	Modified rubber	Acrylic Polymer
Packaging	20 kg/pail	25 kg/pail
Fire Resistance	Non-flammable	Non-flammable
Application Temperature	10°C to 75°C	10°C to 75°C
Specific Gravity	1.05	
Elongation at break	500%	
Shelf Life	12 months of kept in a cool dry sheltered place	

## Method of Statement

### **Substrate Preparation**

- ◆ The surface to receive Cemseal EC liquid applied waterproofing system shall be structurally sound and shall have a light steel-trowel followed by a fine hair broom or equivalent finish.
- ◆ The surface shall be dry, clean, even and free of cavities.
- ◆ All voids, cracks and fillet edges, shall be repaired to ensure the surface is sound, even and clean.
- ◆ All surface preparation shall be by the Main Contractor unless otherwise stated.
- ◆ Interface between metal flashing and concrete may be sealed with Cemseal EC reinforced by imbedding a wide strip of fiberglass matt.

### **Application**

- ◆ All cracks and joints shall be sealed with Polyurethane sealant, Which is compatible with Cemseal EC. All shrinkage & non-moving structural cracks under 2 mm shall be pretreated with Cemseal EC base coat membrane extending at least 100 mm on each side of the crack.
- ◆ Always prime the substrate with Cemseal BP at a rate of 0.30 kg/m<sup>2</sup>.
- ◆ Apply the base coat by a brush, roller or squeegee with a coverage of 1.00kg/m<sup>2</sup>. Allow it to dry for at least for 4 hours.
- ◆ Apply the top coat by a brush, roller or squeegee with a coverage of 1.00kg/m<sup>2</sup>. Allow it to dry for at least for 24 hours.
- ◆ The application shall be done in a criss-cross manner between coats.
- ◆ Apply uniform in a continuous film to avoid thin spot. Care must be taken to ensure that pinholes and potholes are separated treated.
- ◆ Allow at least 48 hours curing of the finished coat (subject to touch dry) before it open for traffic. Water ponding test can be conducted after the 48 hours.

### **Others Application**

To consult the local Cemseal's representative.

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**For Further** Cemseal Industries Sdn Bhd (Company No. 884153-T)

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**First Aid** In case of contact with eyes, skin or body wash immediately with clean fresh water or stand under shower and wash off. In case of inhaling of vapor or ingestion remove to fresh air and do not induce vomiting. **Obtain immediate medical treatment.**

**Statement of Responsibility** The technical information and application advice given in this Cemseal publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user, is responsible for checking the suitability of products for their intended use.

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